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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/021,663
Filing Date	10/23/2001
First Named Inventor	Mann et al.
Group Art Unit	1724
Examiner Name	I. Cintins
Attorney Docket Number	LIT-PI-544

Total Number of Pages in This	Submission IU Attorney Docket Number	er LI I -PI-544				
	ENCLOSURES (check	call that apply)				
Fee Transmittal Form Fee Attached Amendment / Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Assignment Papers (for an Application) Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Remarks	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below): Return Receipt Postcard				
SIG	NATURE OF APPLICANT, ATTORNEY, OR	AGENT				
Firm or Individual name Stephen R. Christian Registration No.: 32,687						
Date 11 Disc 2003						
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Date

Mandy Landon

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		Appl	ication	n Num	ber	10/021,663	
r il for FY 2002		Filing	Date	•		10/23/2001	
1 1 5 200 E) for FY 2002		First	Name	ed Inv	entor	Mann et al.	
Patent fees are subject to annual revision.		Exan	niner	Name		I. Cintins	
		Grou	ıp Art	Unit		1724	
TOTAL AMOUNT OF PAYMENT (\$) 180.00)	Attor	nev D	ocket	No.	LIT-PI-544	·
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METHOD OF PAYMENT	-				O.O. S. P. LEWIS CO.	LCULATION (continued)	
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Number	Fee	Fee de (\$)	Fee Code	Fee	-	Fee Description	Fee Paid
Deposit Account	105	• • •	205	65	Surcha	rge - late filing fee or oath	
Name	127	50	227	25	Surcha	rge - late provisional filing fee or	
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17					cover s		
Applicant claims small entity status.	139	130	139	130	Non-En	glish specification	
See 37 CFR 1.27 2. Payment Enclosed:	147	2,520		•		g a request for ex parte reexamination	n
E	112	920*	112	920*	Reques	sting publication of SIR prior to er action	
Order D Other	113	1,840*	113	1,840	Reques	sting publication of SIR after	
FEE CALCULATION	115	5 110	215	55		er action ion for reply within first month	
1. BASIC FILING FEE	116		216			on for reply within second month	
Large Entity Small Entity Fee Fee Fee Fee Description	117		217			on for reply within third month	
Code (\$) Code (\$) Fee Paid	118	1,440	218	720		on for reply within fourth month	
101 740 201 370 Utility filing fee 106 330 206 165 Design filing fee	128	1,960	228 9	980	Extensi	on for reply within fifth month	
107 510 207 255 Plant filing fee	119	320	219	160		of Appeal	
108 740 208 370 Reissue filing fee	120	320	220	160	Filing a	brief in support of an appeal	
114 160 214 80 Provisional filing fee	121	280	221	140	Reques	t for oral hearing	
SUBTOTAL (1) (\$)	I ii	1,510				to institute a public use proceeding	
	18 140	110	240	55	Petition	to revive - unavoidable	

Multiple Dependent Large Entity Small Entity Fee Fee Code (\$) Fee Fee Code (\$) Fee Description 103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claim, if not paid 109 84 209 42 ** Reissue independent claims over original patent ** Reissue claims in excess of 20 and over original patent 110 18 210

Ext<u>ra Claim</u>s

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2. EXTRA CLAIM FEES

Total Claims

Independent Claims

SUBTOTAL (2)	(\$)
**or number previously paid, if greater; For I	Reissues, see above

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Fee Paid

Fee Cod	Fee e (\$)	Fee Cod	Fee e (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	180.00
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	_
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
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*Red	uced by	/ Bas	ic Filing	Fee Paid SUBTOTAL (3) (\$) 1	80.00

SUBMITTED BY		The state of the s	Complete (i	f applicable)
Name (Print/Type)	Stephen R. Christian	Registration No. (Attorney/Agent) 32,687	Telephone	208-526-9140
Signature	Softe RCQ	XÎ	Date	11Dec2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mann et al.

Serial No.: 10/021,663

Filed: October 23, 2001

For: COMPOSITE MEDIA FOR ION

PROCESSING

Confirmation No.: 5564

Examiner: I. Cintins

Group Art Unit: 1724

Attorney Docket No.: LIT-PI-544

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

12/11/2003

Date

Mandy Landon

Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

U.S. Patent No.	Publication Date	<u>Patentee</u>
US - 4,548,790	10/1985	Horwitz et al.
US - 4,683,124	07/1987	Muscatello et al.
US - 4,826,604	05/1989	Faubel et al.
US - 4,835,107	05/1989	Horwitz et al.
US - 5,169,609	12/1992	Horwitz et al.
US - 5,637,506	06/1997	Goken et al.

Other Documents

MUSCATELLO et al., Chem. Sep., vol. 2, pp. 439-48, 1986.

MUSCATELLO et al., ACS Symp. Ser., 347, pp. 182-9, 1987.

SEBASTA et al., J. Radiooanal. Nucl. Chem. 140(1), pp. 15-21, 1990.

SCHULTE et al., Sep. Sci. Technol., 30(7-9), pp. 1833-47, 1995.

LUMETTA et al., Solvent Extr. Ion Exch., 14(1), pp. 35-60, 1996.

SCHULTE et al., Proc. Embedded Top Meet. DOE Spent Nucl. Fuel Fissile Mater. Manage., pp. 418-427, 1996.

SEBESTA et al., R. Soc. Chem., 182, pp. 346-354, 1996.

MILLER et al., Sep. Sci. Technol., 32(1-4), pp. 37-50, 1997.

SEBESTA et al., Acta Polytech., 38(3), pp. 119-120, 1998.

BREWER et al., Czech. J. Phys. 49, pp. 959-964, 1999.

JOHN et al., NATO Sci. Ser., Ser. 2, 53, pp. 155-168, 1999.

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,

Stephen R. Christian Registration No. 32,687 Attorney for Applicants

P.O. Box 1625

Idaho Falls, ID 83415-3899

Phone: (208) 526-9140 Fax: (208) 526-8339

Date: 12/11/2003

Enclosures: Form PTO-1449 or PTO/SB/08

Copy of documents cited

LIT-PI-544

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substitute for form 1449A/PTO		Complete if Known
NFORMATION DISCLOSURE	Application Number	10/021,663
1	Filing Date	October 23, 2001
TATEMENT BY APPLICANT	First Named Inventor	Mann et al.
	Group Art Unit	1724
(use as many sheets as necessary)	Examiner Name	I. Cintins
207		

	1	Document Number	Dati and Date	Name of Patentee or Applicant of	D 01 1: 11 D
Examiner Cite Initials * No. Nur	Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US-4,548,790	10/1985	Horwitz et al.	
		US- 4,683,124	07/1987	Muscatello et al.	
		US- 4,826,604	05/1989	Faubel et al.	
		US- 4,835,107	05/1989	Horwitz et al.	
		US- 5,169,609	12/1992	Horwitz et al.	
		US- 5,637,506	06/1997	Goken et al.	
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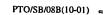
		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	T
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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Examiner Signature	Date Considered	
	Considered	

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Shoot 2 of 2

Complete if Known					
Application Number	10/021,663				
Filing Date	October 23, 2001				
First Named Inventor	Mann et al.				
Group Art Unit	1724				
Examiner Name	I. Cintins				
Attorney Docket Number	LIT PL 544				

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
		MUSCATELLO et al., Chem. Sep. vol. 2, pp. 439-48, 1986.				
		MUSCATELLO et al., ACS Symp. Ser., 347, pp. 182-9, 1987.				
		SEBASTA et al., J. Radiooanal. Nucl. Chem. 140(1), pp. 15-21, 1990.				
		SCHULTE et al., Sep. Sci. Technol., 30(7-9), pp. 1833-47, 1995.				
		LUMETTA et al., Solvent Extr. Ion Exch., 14(1), pp. 35-60, 1996.				
		SCHULTE et al., Proc. Embedded Top Meet. DOE Spent Nucl. Fuel Fissile Mater. Manage., pp. 418-427, 1996.				
		SEBESTA et al., R. Soc. Chem., 182, pp. 346-354, 1996.				
		MILLER et al., Sep. Sci. Technol., 32(1-4), pp. 37-50, 1997.				
		SEBESTA et al., Acta Polytech., 38(3), pp. 119-120, 1998.				
		BREWER et al., Czech. J. Phys. 49, pp. 959-964, 1999.				
		JOHN et al., NATO Sci. Ser., Ser. 2, 53, pp. 155-168, 1999.				

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Examiner		Date	
Signature		Considered	

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